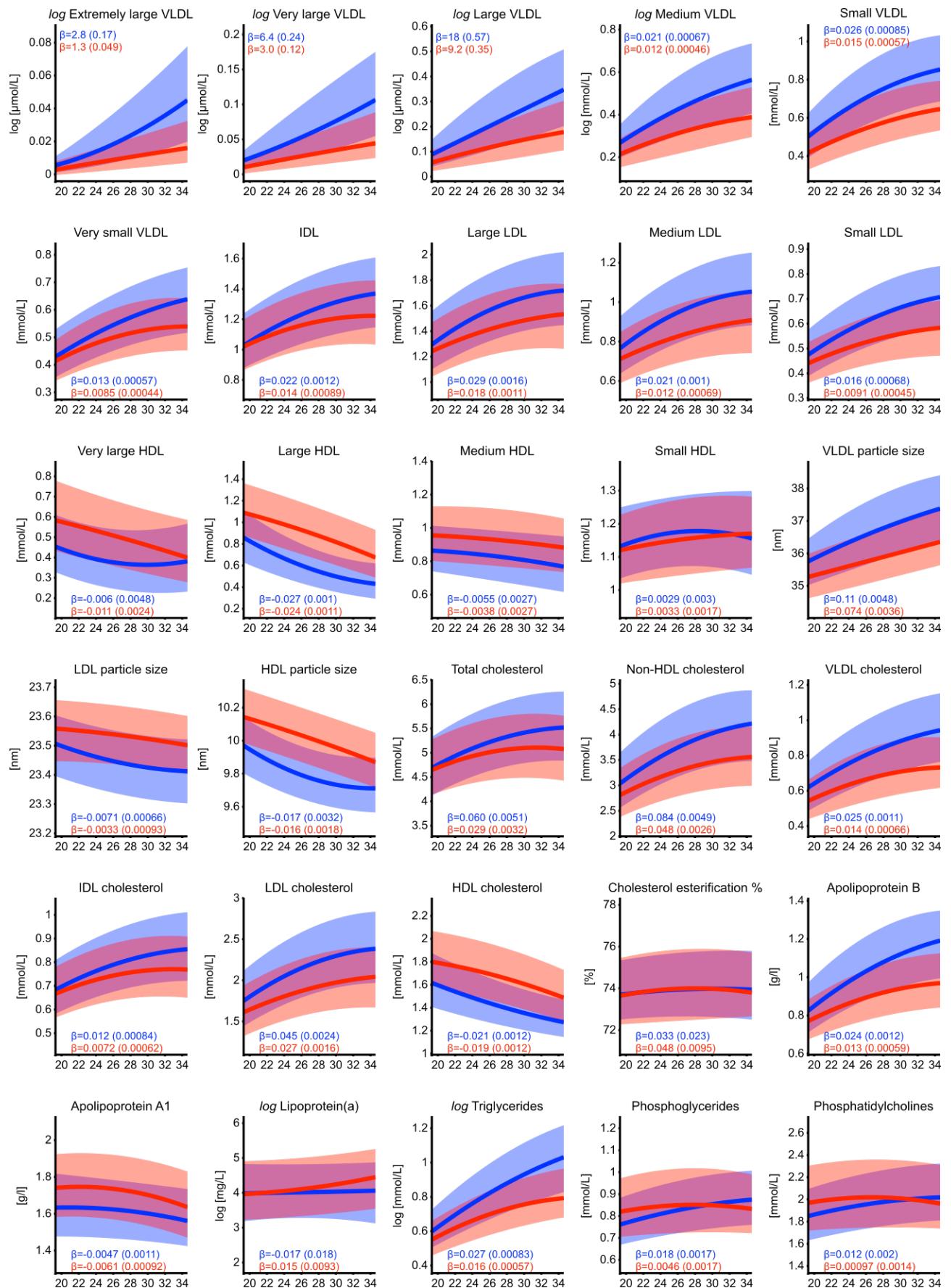
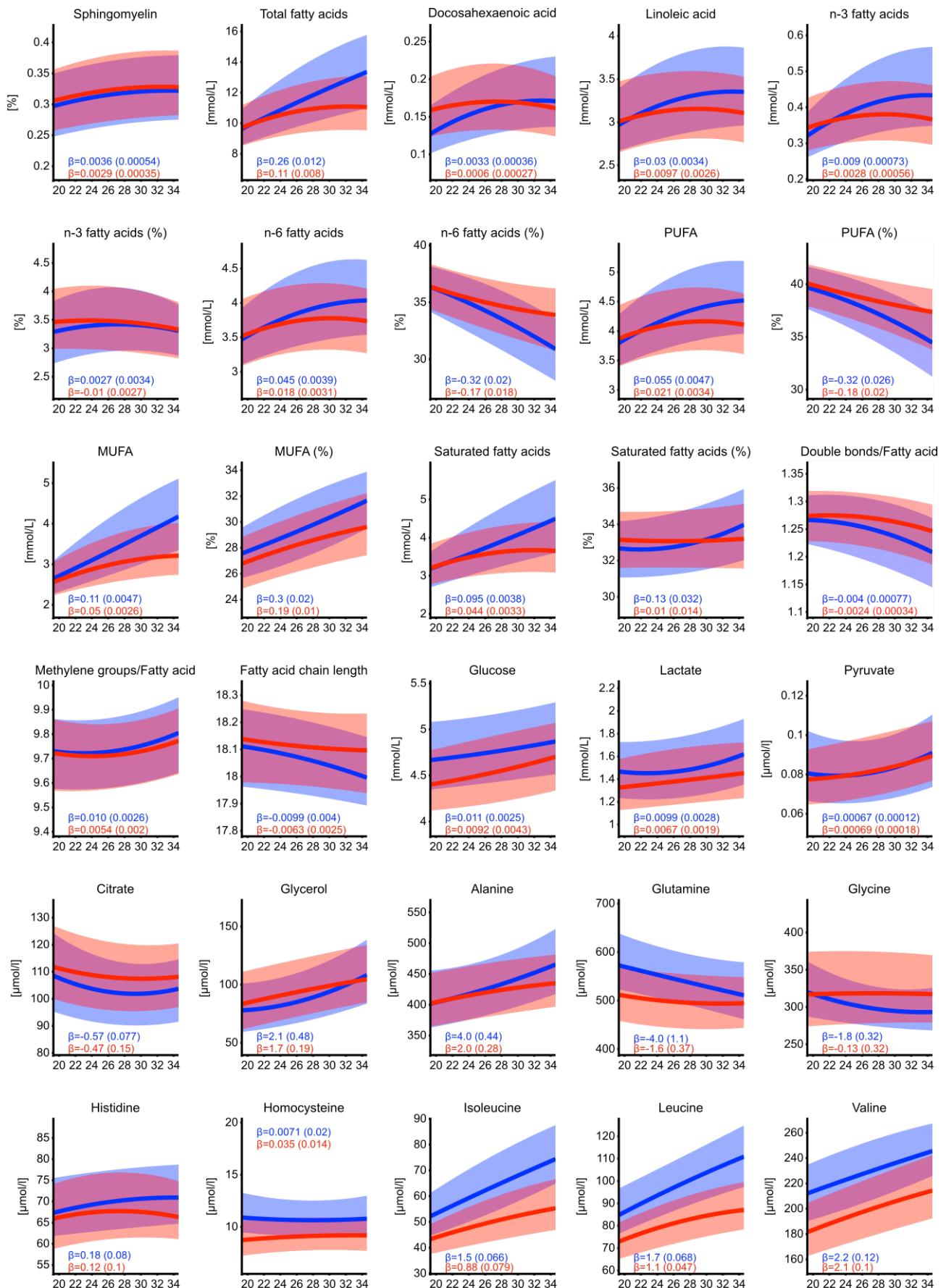
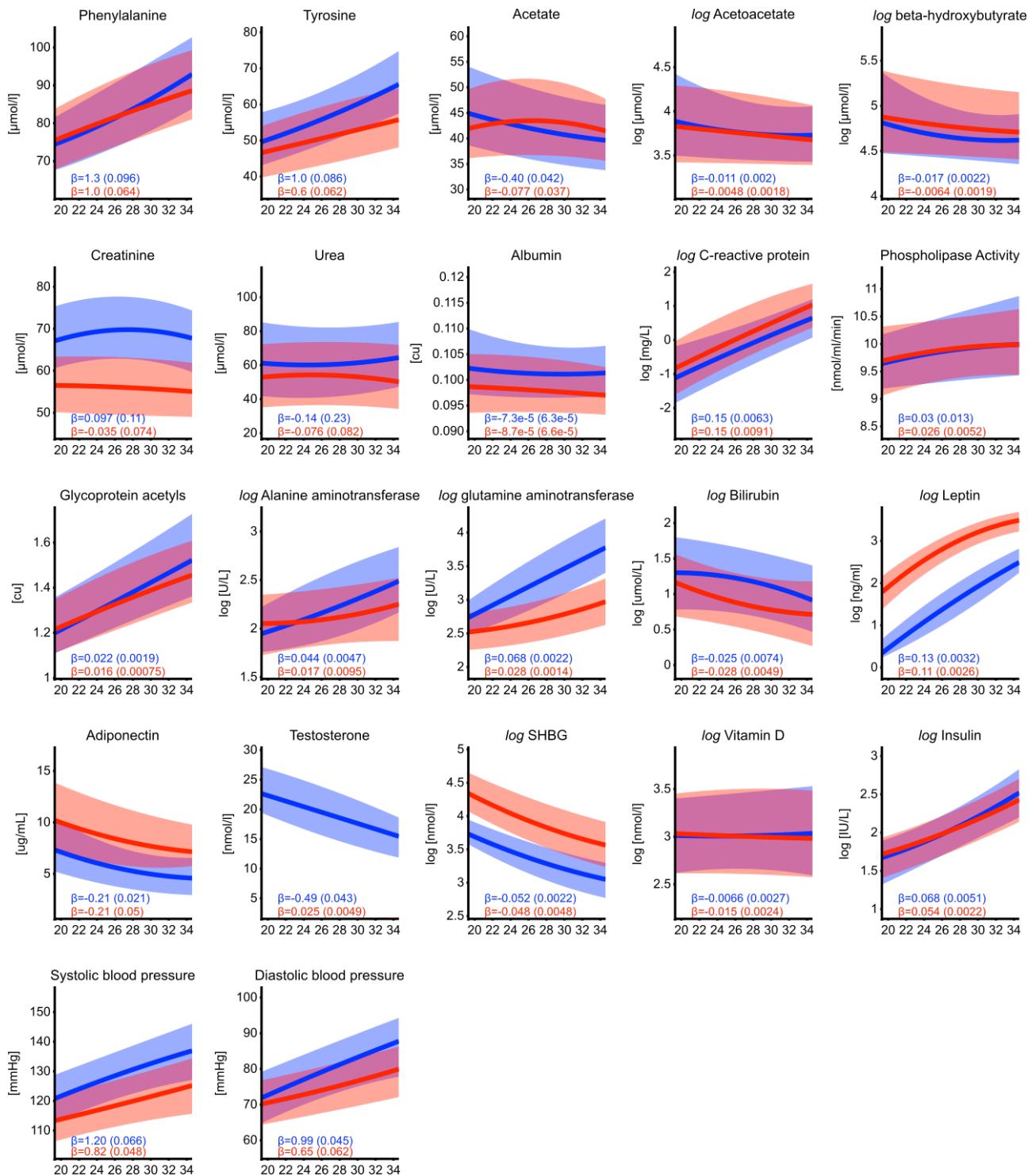


**Figure S2: Metabolite concentrations as a function of BMI on a continuous scale in young women and men.**







Characteristics of the metabolite concentrations as a function of BMI for young women (red; n=4,471) and men (blue; n=4,217). The thick lines indicate median and shaded areas indicate interquartile range of the metabolite concentrations fitted for each percentile of BMI with quadratic curve fits. The three cohorts of young adults were pooled for these descriptive analyses. Adolescents were omitted from these analyses since their BMI distribution is markedly lower. Similar trends were observed within all individual cohorts. The beta-regression coefficients (standard errors) from the cross-sectional analyses for the full study population in Figure 2 are indicated in absolute concentration units for women and men per 1-kg/m<sup>2</sup> increment in BMI.